Learning Management System Fielding Overview

COL Marty Vozzo, TRADOC Program Integration Officer
COL Sharon Holmes, Project Manager, Distributed Learning System

Experience a Training Revolution!

Agenda

- The Army Distributed Learning Program (TADLP) Overview
- Learning Management System (LMS)
- Upcoming Events
- MOA
- Leave Behinds

Senior Leader Visit Purpose

- Overview of TADLP.
- Introduction of the Army LMS functions, capabilities, and benefits.
- Overview of the required fielding efforts.
- Identification of all personnel scheduled for LMS training at this location.
- Address the scope of a Memorandum of Agreement (MOA) that will be used to document the Fielding tasks.

Army DL Goals

Train to One Standard

- Improve ability to train service members and supporting civilian workers in all Army components to a Single Army Standard.

Reduce Costs

- Reduce training delivery support costs.

Improve Morale

- Improve service member morale by allowing members to obtain required training without leaving their home station.

Life Long Learning
Greater Stability for Families
Global Reach
Just In Time Reach Back Capibility
Increased Access at Duty Station

Improve Training Efficiency

- Improve training efficiency since instructors train more students in a shorter period of time.

Improve Unit Readiness

- Reduce personnel turbulence resulting from long term absence for resident training thus improving unit readiness.

Why DL for the Army?

" Distributed Learning gives us the best of the best, because it links virtual with live training, and provides an important means of taking training and education to soldiers and units anywhere, anytime."

General Kevin P. Byrnes
Commanding General,
US Army Training and Doctrine Command

Army Distributed Learning

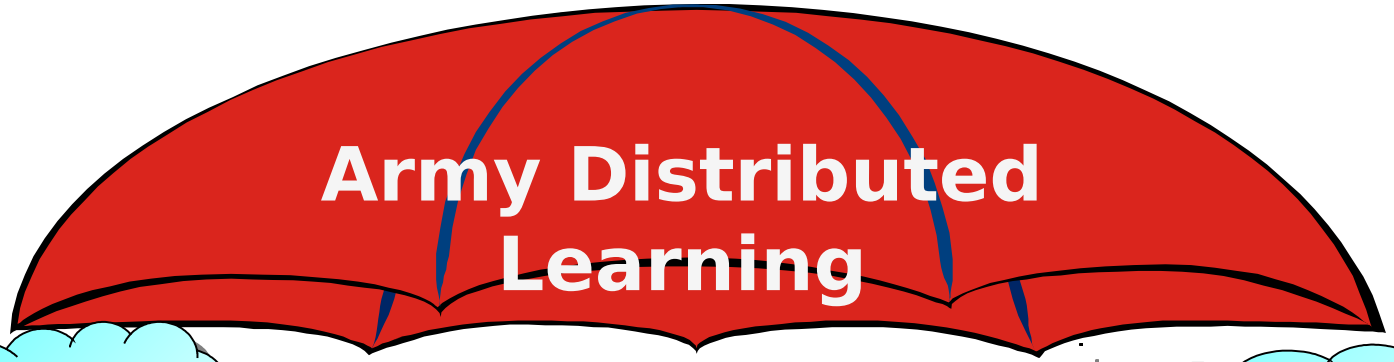
Mission: "To improve readiness by the delivery of standardized individual, collective, and self-development training to soldiers and units any time and any place through the application of multiple means and technologies."

1996

Supports Army Transformation Efforts

2010

The TADLP Umbrella



TPIO TADLP

PM DLS

ATSC

Classroom XXI

DL Coursewa re

Army Training Information System

Digital Training Facilitie

Digital Deploye d Training Campus

ARNG DTTP

BCT/ OSUT

Battle Comman d Knowled ge

Army eLearning

Learning Managem ent System

Lifelon g Learnin g Centers

TADLP Courseware Status

Where we were:
FY98-04 CW funding $179.9M

Where we will be:
FY06-11 $289M POM

Courseware

- **525 Redesigned courses by FY2010**
  - **TRADOC FY04 redesign priorities:**
    - Readiness
    - Officer Education System (OES)
    - Reclassification (DMOSQ) RC focuse
  - **Prioritized by MACOM needs**
  - **SCORM compliant**

Maintenance Strategy

Focus:
- Content
- Technical Aspects

- Options:
  - Modify Existing Contract
  - Establish New Contract

Professional Military Education Success Story

Issue:

- Professional Military Education backlog amongst Non-Commissioned Officers due to ongoing operational deployments in the Middle East.

Solution:

- Video Tele-training has provided ~6200 graduates to date.
- Basic Non-Commissioned Officer Course, Common Core training, Battle Staff, Medical Certification, First Sergeants Course, Language refresher, and Combat Engineer (IED).
- Between July 04 and April 05 approximately 13,000 soldiers will be scheduled for Professional Military Education via Video Tele-training.
  - 3000 Soldiers in Europe
  - 1700 Soldiers in Korea
  - 8000 Soldiers in CONUS

Deployed Digital Training Campuses (DDTCs)

<u>DDTC Deployments</u>: Germany; Bosnia; Kosovo; Hungary; Sinai

"Go anywhere"

- Low weight and compact
- Rapid setup & use in austere conditions
- Fully integrated & Available now

- Meets the immediate need for mobile, adaptable, high capacity secure wireless and satellite communications
- High bandwidth …Deliver any content, anywhere, any time
- Networked with reach back capability
- Plan, rehearse and execute
- Stryker BDE train-up for Iraq deployment
- In block 4 of PM DLS acquisition strategy

Satellite link connects remote sites with any VTT or VTC system globally. DDTC is virtually unlimited in connecting to any other communication technology systems.

DDTC Vision

- **Provides ‘on demand/call forward’ capability.**
- **PM DLS scheduled to begin fielding systems in FY06.**
- **Provide “embedded” individual, collective, collaborative, and simulations based training capability.**
  - Force XXI Battle Command Battalion/Brigade and Below (FBCB2) Training.
  - Squad Laser Marksmanship Training/Sniper Training System.
  - Virtual Sand-table.
  - Two-way interactive VTT using voice over IP.
  - Access to all DL based classrooms.
- **Provide full spectrum connectivity (terrestrial, satellite, and wireless).**
- **Provide NSA approved secure communications capability.**
- **Highly mobile (HMMWV), small footprint, one soldier 30 min max set-up time.**

Classroom XXI

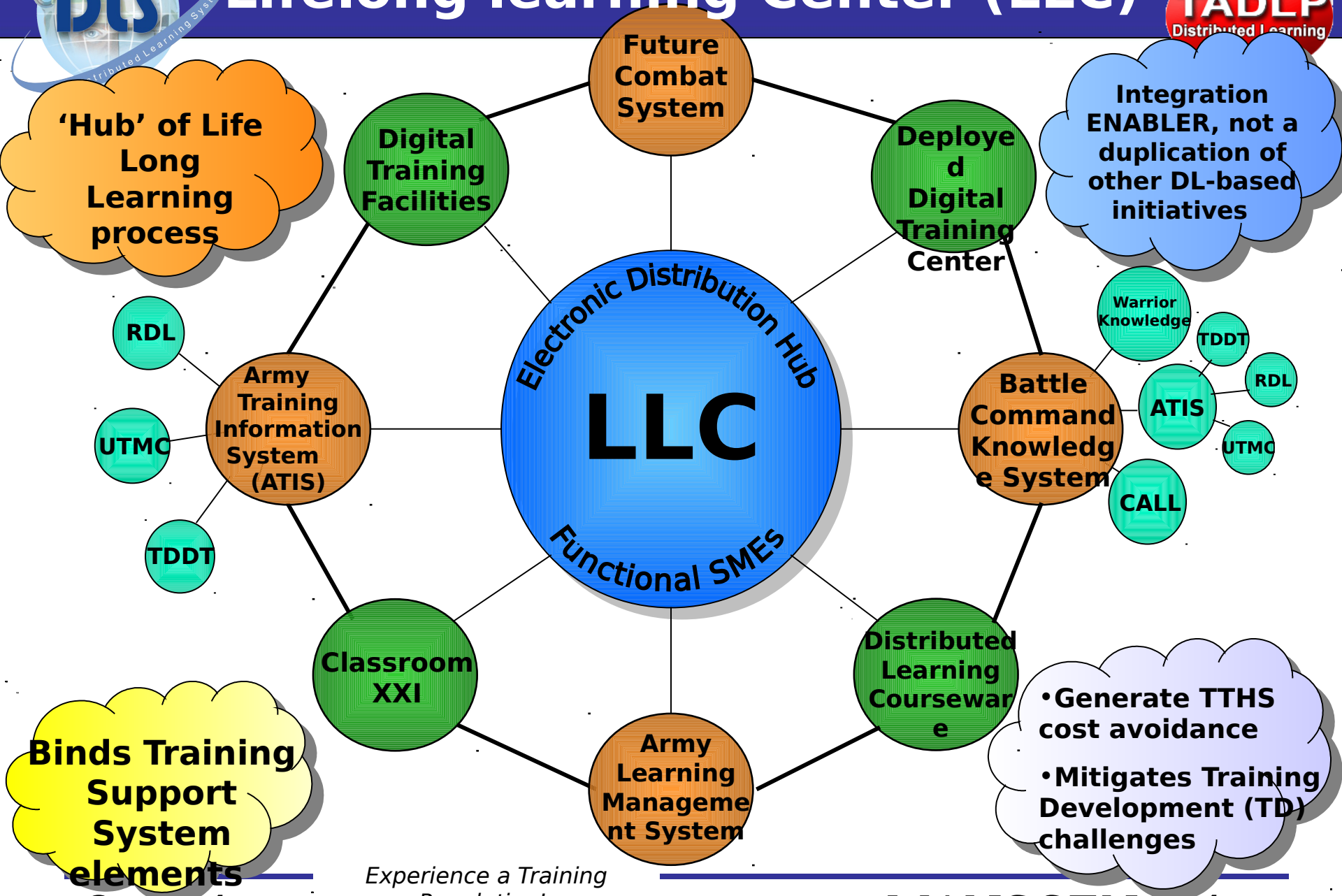
Classroom XXI modernizes TRADOC resident classrooms to transmit (push) and deliver DL anytime, anywhere from proponent schoolhouses.

- **270 high-tech classrooms scheduled thru FY14.**
- **One Digital Training Access Center (DTAC) per installation.**
- **Current CRXXI classroom fielding status:**
  - 54 classrooms fielded (FY98-03)
  - 16 classrooms in progress (FY04)
- **CRXXI classroom is TRADOC school asset.**
- **TRADOC is inserting Classroom XXI technology into 110 high tech classrooms in 5 new BCT/OSUT barracks complexes.**

Lifelong learning Center (LLC) Initiative

- **LLC is the digital hub of the Army's lifelong learning process where standardized proponent content is developed, stored and delivered to Soldiers (AC/RC) and DA civilians, using cost effective mix of new information technologies and education methods.**
- **Key enabler for:**
  - Strategic Plan for Transforming DOD Training.
  - CSA Leader Development & Education Focus Areas.
  - CSA Army Training & Leader Development Plan (ATDLP) imperatives.
  - AOT Initiative.
- **LLC is integrally linked to Future Combat System, Battle Command Knowledge System, The Army Distributed Learning Program, Army Training Information System, Reimer Digital Library, and the Joint Training System.**

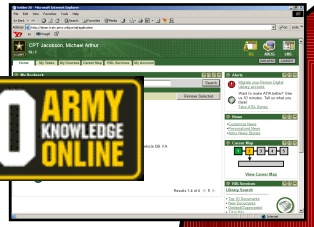
Lifelong learning Center (LLC)



Army Training Information System Infrastructure

The Army TADLP Distributed Learning Program

SOLDIER TRAINING HOMEPAGE

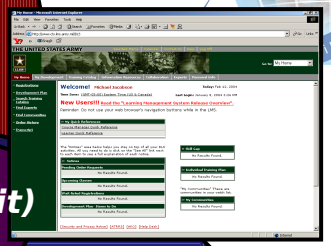


AKO ARMY KNOWLEDGE ONLINE

TRAINING DELIVERY

- ✓ Single access point through AKO
- ✓ RDL
- ✓ Multiple user access enablers
  - Digital Tech Trng Program
  - Digital Training Facility
  - Deployed Digital Training Campus

LEARNING MANAGEMET SYSTEM



TRAINING AND DOCTRINE DEVELOPMENT TOOLKIT

U.S. ARMY TRAINING SUPPORT CENTER

TDT

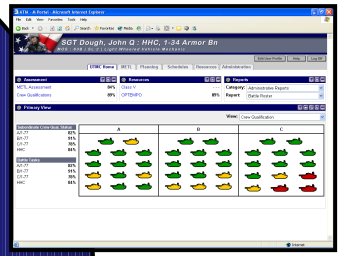
TRAINING AND DOCTRINE DEVELOPMENT TOOL

TRAINING DATA & COURSEWARE

Soldier Data (Institutional/Unit) Training Data

ATIS Common Data Access Access

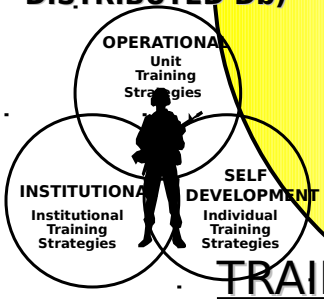
UNIT TRAINING MNGT CONFIGURATION



(DTMS)

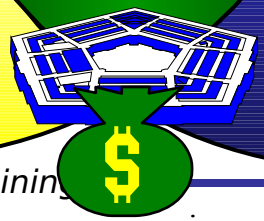
LIFE LONG LEARNING CENTER (ATIS DISTRIBUTED Db)

- ✓ Doctrine
- ✓ Individual Tasks
- ✓ Collective Tasks
- ✓ Individual TSPs
- ✓ Combined Arms Training Strategies
- ✓ POIs
- ✓ DL Courseware



TRAINING/DOCTRINE DEVELOPMENT

DA LEVEL MNGT
PEOPLE
FACILITIES
AMMO



- ✓ Resident/Non-Resident Training Management
- ✓ Unit Training Managem
- ✓ METL Development
- ✓ Capabilities based training planning

TRAINING MANAGEMENT

Distributed Learning System

DLS Components

- **DLS is the Army's technology enterprise project for delivering and managing distributed learning to soldiers and civilians around the globe.**
- **The system includes:**
  - ***274 Digital Training Facilities (DTFs)*** – for AC and USAR worldwide.
  - ***Learning Management System (LMS)*** – delivers training products and provides training management functions via the web.
  - ***Enterprise Management Center (EMC)*** – provides connectivity and technical support to users.

…providing the capability to train soldiers at the right time and place.

Mission/System Description

"Acquire and sustain hardware, software and services enabling student access to distributed training products at the right time and place."

Characteristics/Descriptions

- Readiness-based training priorities.
- Global networked training environment.
- Students trained at home station.
- Technology based Digital Training Facilities.
- Automates Student Management functions.

Capability/Improvements

- Leverages technology to increase training effectiveness and efficiencies.
- Improved readiness.
- Increased training opportunities.

Special Features

- Multimedia courseware.
- Collaborative training opportunities.
- Consistent with DoD, Army & Commercial Standards.
- Trains all components to Army Standards.
- Moves away from traditional resident service school.
- Leverages COTS/GOTS products.

Digital Training Facilities (DTFs)

- **274 DTFs fielded for AC and USAR worldwide.**
- **Major components include:**
  - 12-16 Student Workstations.
  - Microsoft Office Software.
  - Room-based Video Suite.
  - All Hardware/Software COTS.
- **Major functions include:**
  - Provides student access to information technology resources for training.
  - Provides access to web-based and VTT training.
  - Initiates Culture Shift to DL Training.

Fielded DTFs World-Wide

Experience a Training Revolution!

OIF Deployment Training

- Anti-Terrorism
- Prevention of Sexual Harassment
- Wheeled Vehicle Accident Avoidance
- Common Task Training
- NBC
- Chemical Analysis for Nuclear Weapons
- First Aid
- Instructor Training Course
- BNCOC
- ANCOC
- 1SG Course
- Battle Staff NCO Course

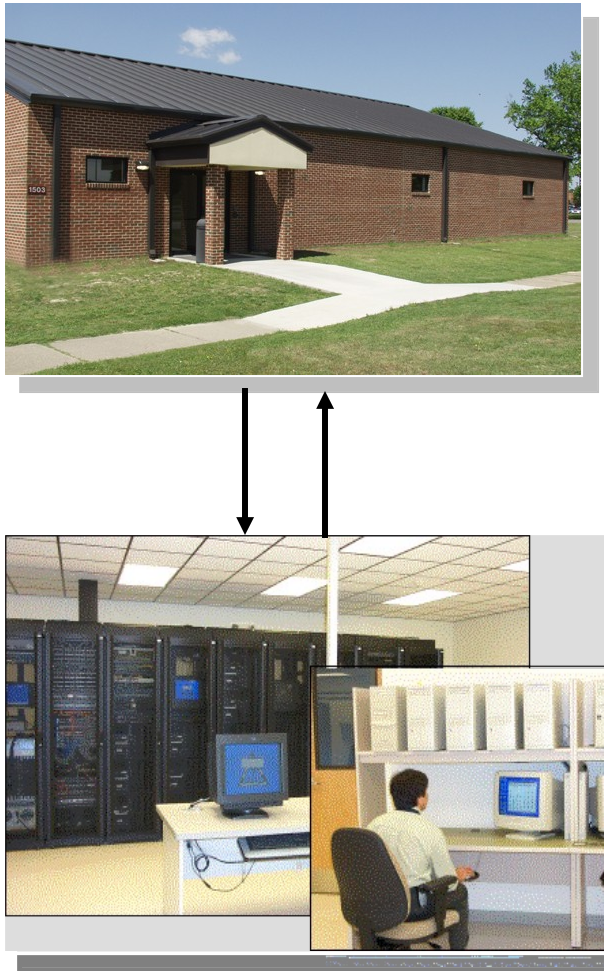
Deployed Digital Training Campuses (DDTCs)

- FY04 defining functional requirements with TRADOC.
- FY05 Market Investigation and Contract Award.
- FY06 Prototyping and DT/OT.
- FY07 Full Rate Production Decision.

Learning Management System (LMS)

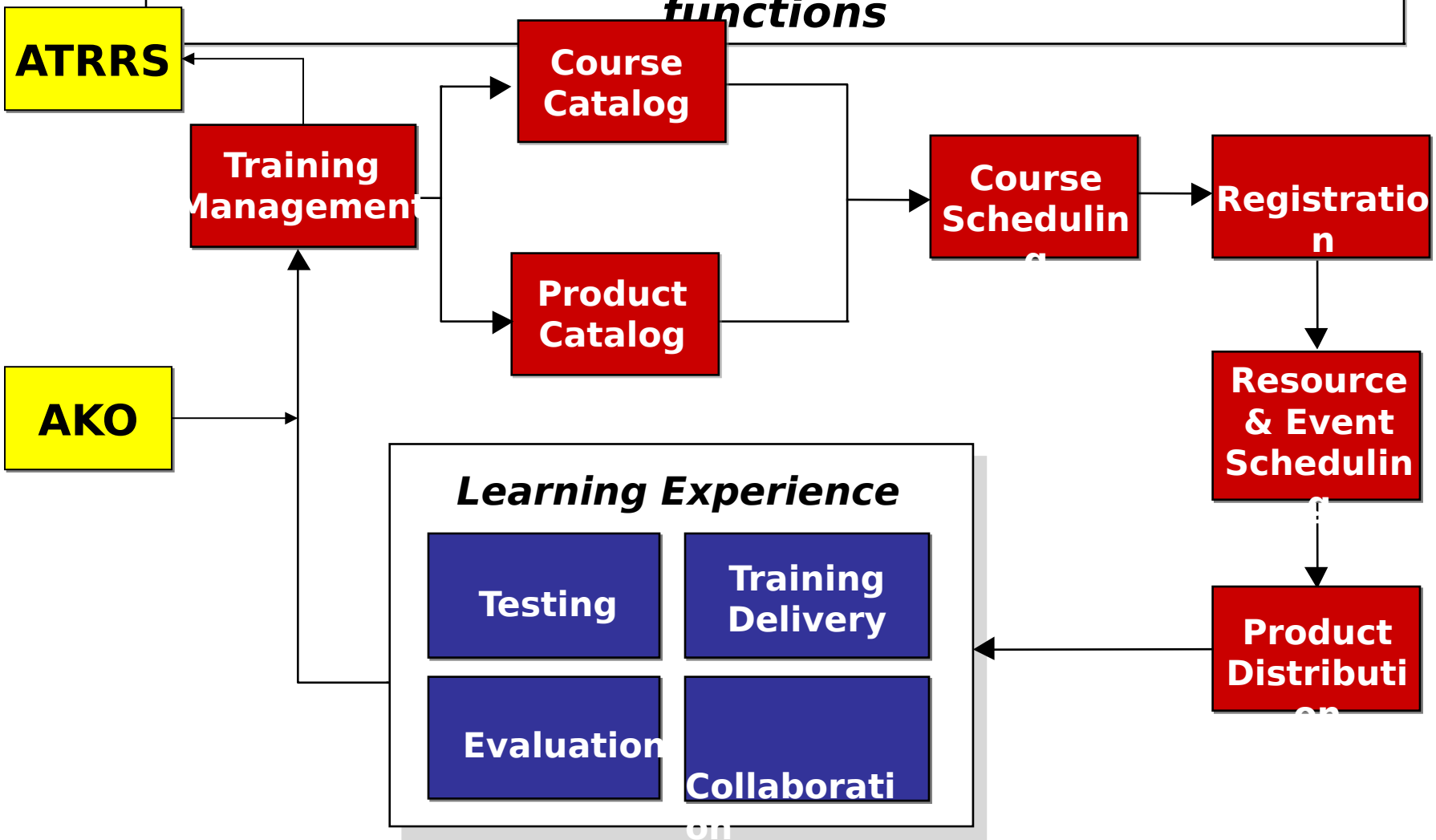
Learning Management System (LMS)

- **LMS is located at the Enterprise Management Center at Fort Eustis, VA.**
- **Major components include**:
  - Specialized servers & storage devices.
  - Training management application software.
    - Saba Learning v.4, Vitria v.2, CISCO content delivery.
    - Sun SPARC OS, Oracle Database 8.1.7.
    - All products are COTS.
- **Major functions include:**
  - Centralized training management functions for the Army.
  - One-stop course catalog, reservation, registration.
  - Delivery and local storage of training content.



LMS Major Functions

LMS represents 11 major training management functions



LMS Support of Resident Training

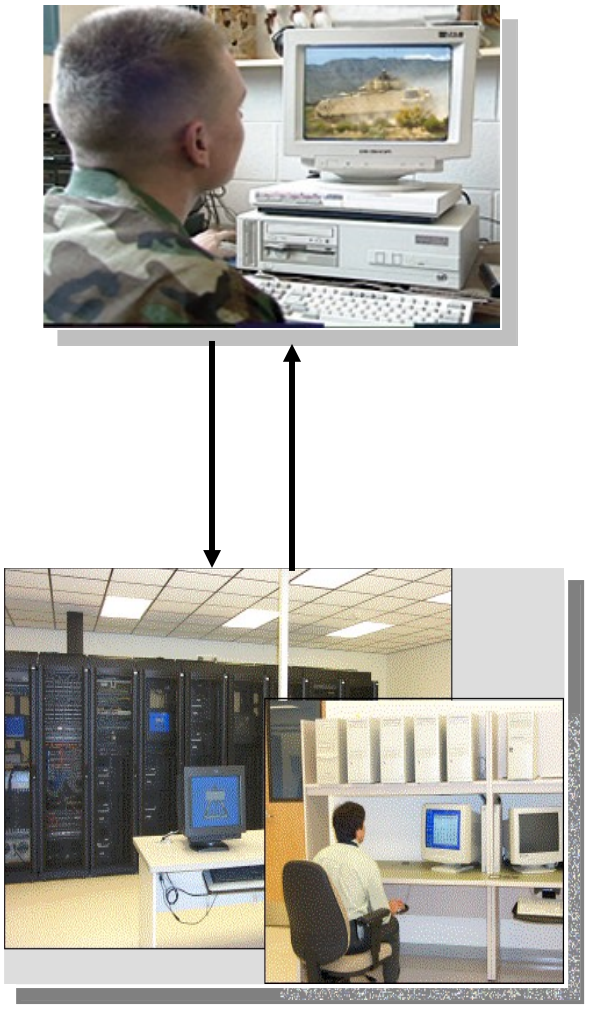
Army LMS Provides:

- Student identification and authorization via AKO interface.
- Training Resource Management for Facilities, Equipment, and Supplies.
- By-hour, by-seat Scheduling.
- Automated attendance and grading; automatic Lesson-level progress and completion reporting.
- Personal training recordkeeping from registration to transcripts.
- Full suite of training access and security tools.
- Posting of official training records to ATRRS via interface.
- Soldier and civilian MOS/Career Field progress monitoring to the Skill (Task) level.
- Lesson-level synchronous and asynchronous collaboration among students, faculty, and SMEs.
- Test and critique analysis at the question level.

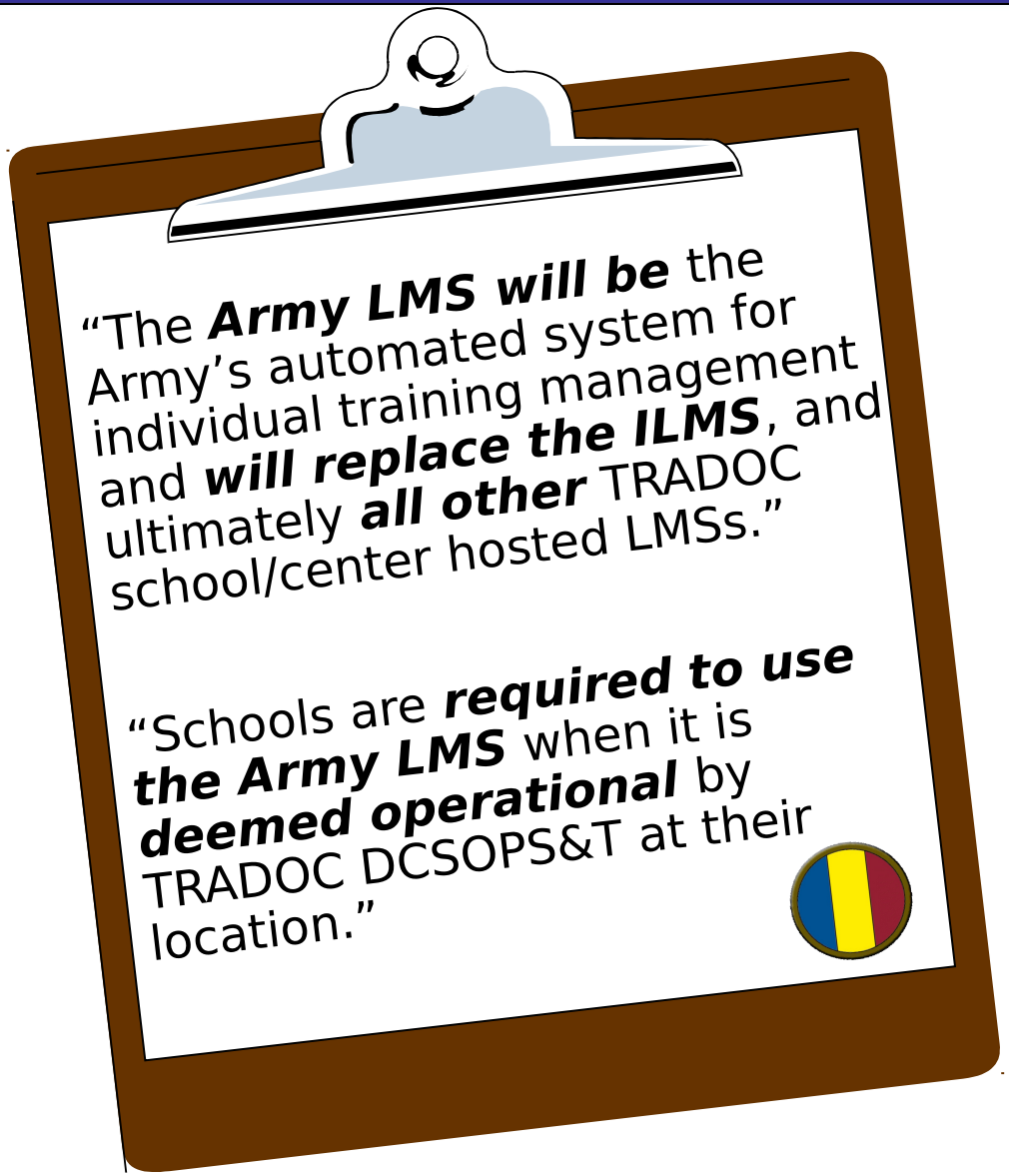
Learning Management System (LMS)

The LMS enables:

- Soldiers to take DL training and manage their training records.
- Civilians to take HQDA directed training (e.g. POSH).
- Operational unit leaders and training NCOs to assess individual & unit training readiness.
- Training Managers to schedule and commit training resources.
- Training Developers to assess course quality.



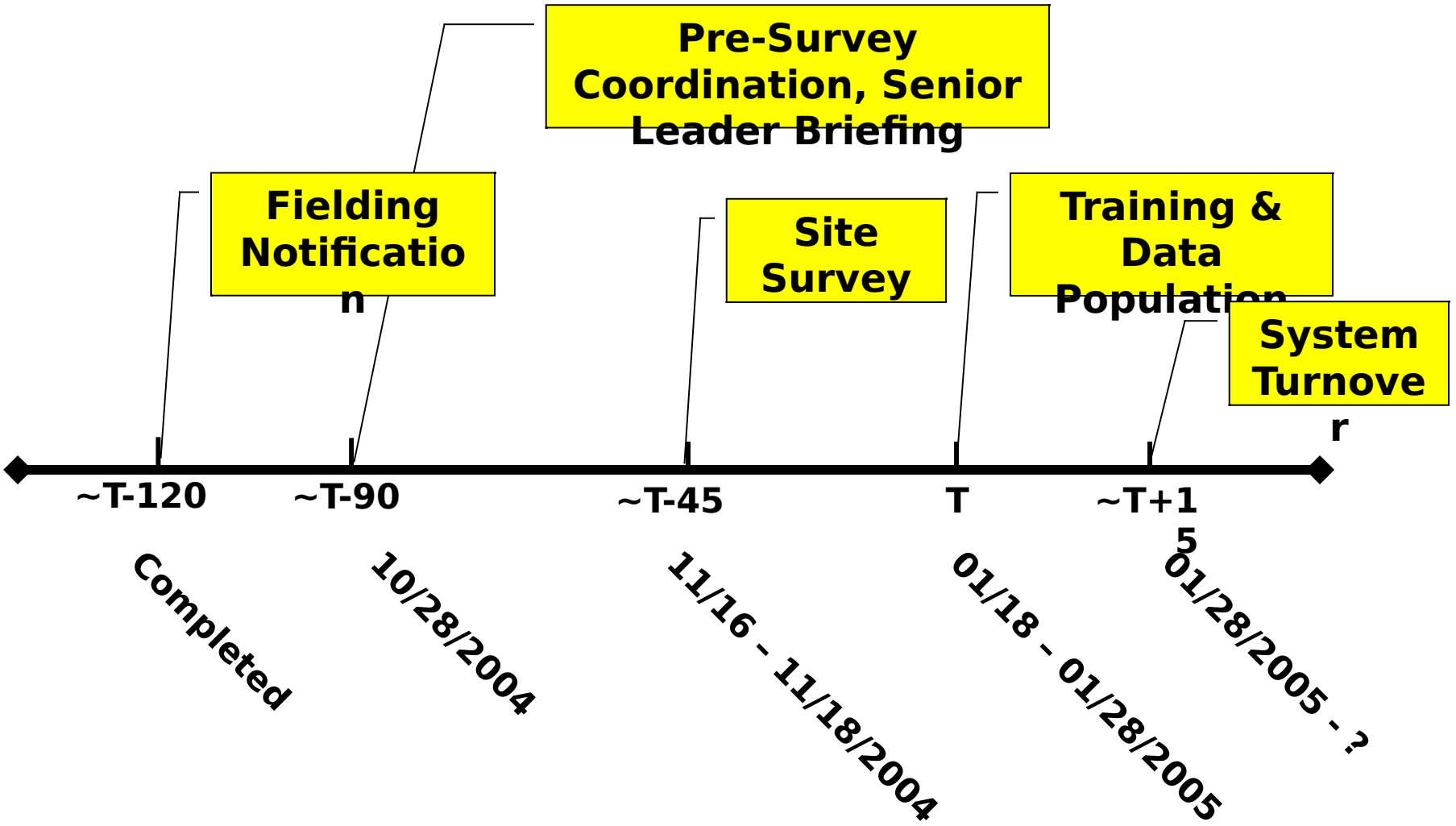
TRADOC Memo, 30 AUG 04


"The **Army LMS will be** the Army's automated system for individual training management and **will replace the ILMS**, and ultimately **all other** TRADOC school/center hosted LMSs."
"Schools are **required to use the Army LMS** when it is **deemed operational** by TRADOC DCSOPS&T at their location."

Scope of LMS Fielding & Training Effort

- **Gaining Organization:**
  - Signal Center and Schools.
  - Other Training Institutions (e.g. NCO Academy).
  - Major Tenant Organizations (e.g. TASS BNs, FORSCOM Units).
- **Training Effort:**
  - LMS is Web-based.
  - Fielding = Training/Data Population.
- **Target Personnel:**
  - Training Cadre: LMS Users (Training).
  - Training Equipment and Expendable Resource Managers (Training).
  - Management and Supervisors (Training Support).

Fort Gordon Fielding Timeline



Plan of Action

Site Survey

- **Three Days**: **16 – 18 Nov 2004**
- **Participants**:
  - Three Representatives - PMO DLS, TPIO TRADOC, and Fielding Project Leader.
  - Site Management & Supervisors (e.g Course Managers, Class Managers, Facility Managers, etc.).
  - Selected Data Owners (Role Based Users).
- **Events**:
  - Organizational Discussions (concerning existing DB framework).
  - Role Appointment Briefing.
  - Automated and Manual Data Collection.
  - Fielding MOA (Consensus) & Signing.

Preparation Activities for Site Survey

Data Collection (Prior to Training Initiation)

- **Lists of Active Courseware (Proponency):**
  - Any current storage or repository.
  - Any format or medium.
- **Sources of Automated Training Data.**
  - Types of data:
    - Classrooms and other training facilities (eg. scheduling).
    - Equipment and expendable resources.
    - Soldier skills by MOS/ASI and grade.
  - Location of data:
    - Electronic files or DB Extracts.
    - Legacy TRADOC or local training support systems.
- **Survey team will send data to PMO for analysis.**
- **Designate individual as Data Owner for all data.**

LMS Role Based Users

Appointments to be made after Site Survey

- **Faculty Roles:**
  - Instructor
  - Assistant Instructor
  - Subject Matter Expert
  - Facilitator
- **Scheduler**
- **Class Manager**
- **Course Manager**
- **Learner (no appt. necessary)**
- **Resource Roles**
  - Classroom Manager
  - Facility Manager
  - DTF Manager
  - Product Distributor
- **Unit Roles:**
  - Learning Approver
  - Unit Training Manager
- **System Administrator (EMC)**

Plan of Action (cont)

Training & Data Population

- **Two Weeks**: **18 – 28 Jan 2005**
- **Participants**:
  - Representatives from DLS (PMO and Prime Contractor) and TRADOC (TPIO).
  - Site Management & Supervisors.
  - All Role Based Users (Training Data Owners).
  - Army Training Help Desk Representative (ATSC).
- **Events**:
  - Introduction & Orientation Briefs (½ day).
  - Role Based User Training (4 ½ days- “Week 1”).
  - Organization Data Entry w/Fielding Team assistance (5 days- “Week 2”).
- **Organizational Data Entry (duration to be determined on a school by school basis).**

Army Training Help Desk (ATHD)

- **TRADOC has tasked ATSC with providing customer assistance for Army Training (Help).**
  - Includes Help Desk and staffing at each Proponent (school).
  - Individual sites will determine and provide the staffing for their component of the ATHD.
  - Staffing requirements at proponent organizations are site specific.
  - Site specificity is based upon the size of the proponent organization, the availability of courses, and the anticipated customer base.

ATHD Composition

- **The Army Training Help Desk (ATHD) is made up of three functional components:**
  - Distributed Learning System (DLS)
  - Army Training Support Center (ATSC)
  - Proponent (School)
- **These organizations are accessed by the soldier or civilian through a single portal: ATSC's Help Desk at ASK-ATSC.**
  - 1-800-ASK-ATSC
  - https://ask-atsc.atsc.army.mil

Component Organization Responsibilities

ATSC	DLS	Proponent
ATIS related	DTF related	Courseware
Training Development	Facilities	Content
Training Resources	Network	Usability
Collective Training	VTT	Proponent Doctrine
Legacy Systems	LMS related	Resident Issues
Army & TASS	Access	eMentor Help
TRADOC Policy	Functions	Subject Research
CRXXI	Sys/Admin	
Regulations & Publications		
DL Contracts		

Memorandum of Agreement

PM Distributed Learning System will…

- **Provide personnel and materials**
  - to train designated users in LMS processes, procedures, and techniques used to support their applicable Army Training Tasks.
  - for two weeks on-site.
- **Provide continuous access to:**
  - On-line references and training materials.
  - 24 X 7 Help Desk support for the LMS.

Memorandum of Agreement

Receiving Organization will…

- **Provide site POC for coordination.**
- **Provide Role Based Users to participate in LMS training and perform duties as data owner.**
- **Provide logistics support to training team.**
- **Provide facilities to support training and fielding.**
  - Auditorium (1/2 day- Day 1).
  - Classroom(s) with individual networked PCs sufficient to support Role Based User access to LMS.

Leave Behind Materials

- This Presentation
- Material Fielding Plan
- Data Population Plan
- Courseware Listing Template
- List of LMS Roles and their Descriptions
- Guide to Data Collection
- LMS Training Standard Operating Procedures (SOP)
- Draft MOA
- Proposed Schedule

Points of Contacts

- **PMO DLS:**
  - Fielding/Training: MAJ Boston, COMM: 757-369-2904/ 757-753-8193; E-mail: Antonio.Boston@us.army.mil
  - Data & Site Survey: Steve Eldred, COMM: 757-369-2891; Email: steve.eldred@us.army.mil
- **TPIO TRADOC:**
  - MAJ Steven Hopingardner, COMM: 757-788-3141; E-mail: Hopingardnerst@monroe.army.mil
- **Help Desk:**
  - ATSC: Joe Escalera (1-800-ASK-ATSC)

Questions?